

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural
Resources

Form C-104
Revised August 1, 2011

Submit one copy to appropriate District Office

Oil Conservation Division
1220 South St. Francis Dr.

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE MINERAL AUTHORIZATION TO TRANSPORT

¹ Operator name and Address EOG RESOURCES INC PO BOX 2267 MIDLAND, TEXAS 79702		² OGRID Number 7377	
		³ Reason for Filing Code/ Effective Date NW 07/22/2021	
⁴ API Number 30 - 025-48389	⁵ Pool Name TRIPLE X; BONE SPRING, WEST		⁶ Pool Code 96674
⁷ Property Code 324918	⁸ Property Name HEARTTHROB 17 STATE COM		⁹ Well Number 104H

II. ¹⁰ Surface Location

Ul or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West line	County
A	17	24S	33E		680	NORTH	1274	EAST	LEA

¹¹ Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	17	24S	33E		189	SOUTH	320	EAST	LEA
¹² Lse Code	¹³ Producing Method Code FLOWING	¹⁴ Gas Connection Date	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date				

III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
372812	EOGRM	OIL
151618	ENTERPRISE FIELD SERVICES	GAS
298751	REGENCY FIELD SERVICES	GAS
36785	DCP MIDSTREAM	GAS

IV. Well Completion Data

²¹ Spud Date 01/27/2021	²² Ready Date 07/22/2021	²³ TD 14,321'	²⁴ PBTD 14,293'	²⁵ Perforations 9633 - 14,293'	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
16"	13 3/8"	1360'	790 SXS CL C/CIRC		
12 1/4"	9 5/8"	5185'	1270 SXS CL C/CIRC		
7 7/8"	5 1/2"	14,301'	1625 SXS CL H TOC 4960' CBL		

V. Well Test Data

³¹ Date New Oil 07/22/2021	³² Gas Delivery Date 07/22/2021	³³ Test Date 08/09/2021	³⁴ Test Length 24 HRS	³⁵ Tbg. Pressure	³⁶ Csg. Pressure 510
³⁷ Choke Size 98	³⁸ Oil 2191	³⁹ Water 3629	⁴⁰ Gas 4386		⁴¹ Test Method
⁴² I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief. Signature: Kay Maddox			OIL CONSERVATION DIVISION		
Printed name: Kay Maddox			Approved by: PATRICIA MARTINEZ		
Title: SENIOR REGULATORY SPECIALIST			Title: PETROLEUM SPECIALIST		
E-mail Address: kay_maddox@eogresources.com			Approval Date: 10/27/2021		
Date: 09/21/2021		Phone: 432-638-8475			

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources
Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

FORM C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office
☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-48389		² Pool Code 96674	³ Pool Name TRIPLE X; BONE SPRING, WEST
⁴ Property Code 324918	⁵ Property Name HEARTTHROB 17 STATE COM		⁶ Well Number #104H
⁷ OGRID No. 7377	⁸ Operator Name EOG RESOURCES, INC.		⁹ Elevation 3593'

¹⁰Surface Location

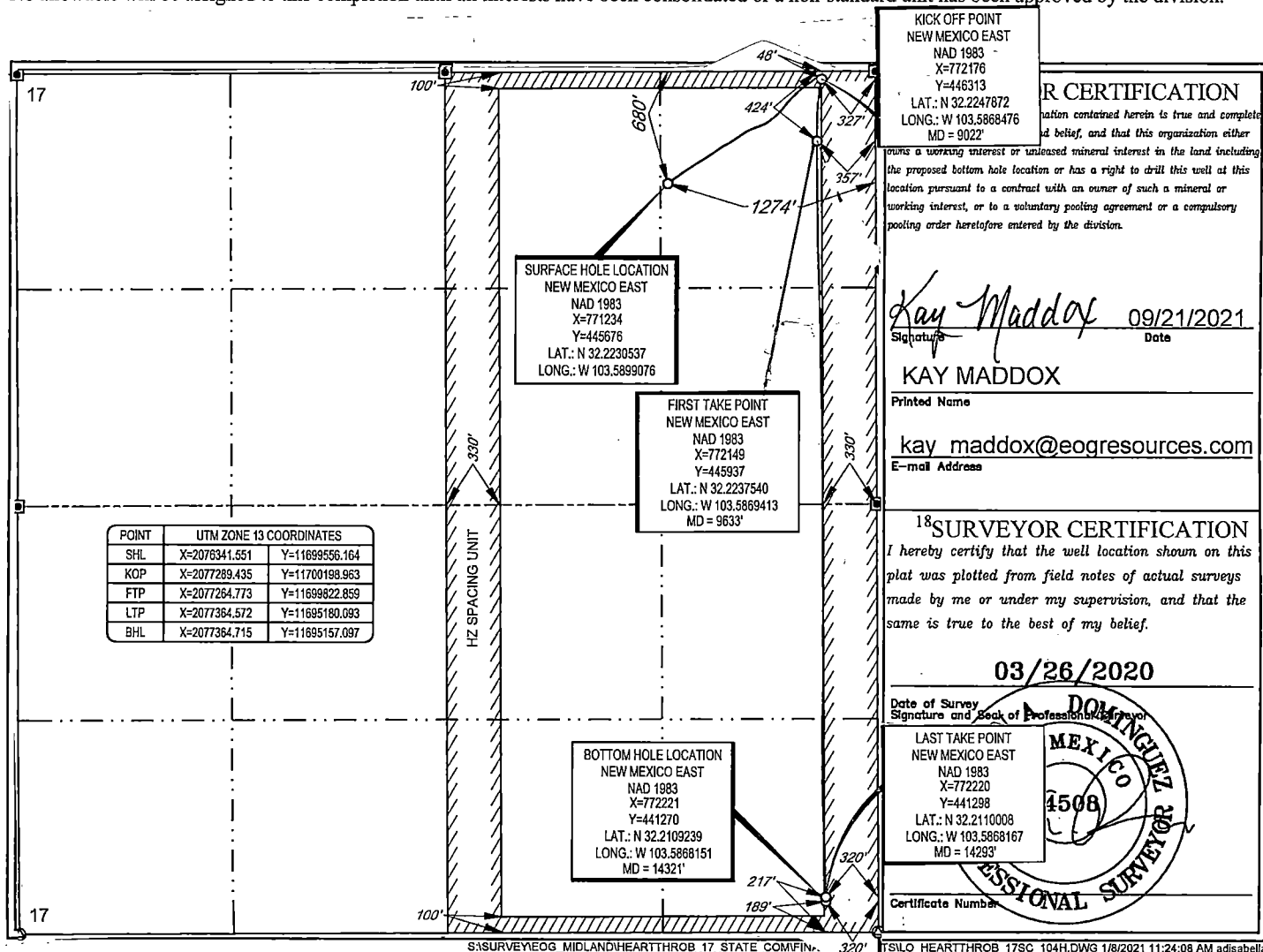
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	17	24-S	33-E	-	680'	NORTH	1274'	EAST	LEA

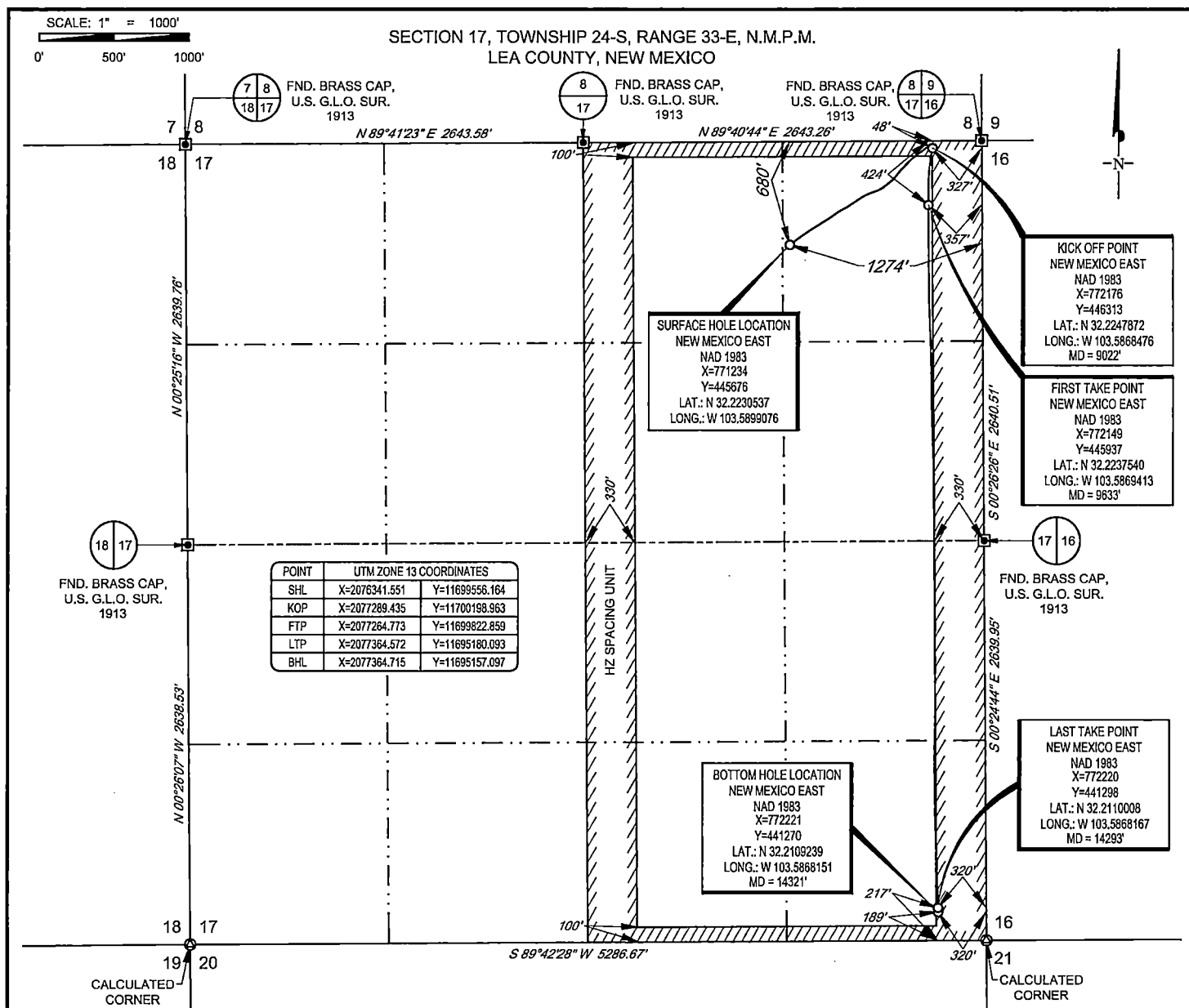
¹¹Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	17	24-S	33-E	-	189'	SOUTH	320'	EAST	LEA

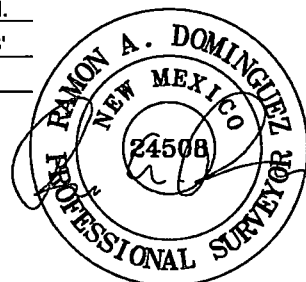
¹² Dedicated Acres 320.00	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
---	-------------------------------	----------------------------------	-------------------------

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.





LEASE NAME & WELL NO.: HEARTTHROB 17 STATE COM 104H
SECTION 17 TWP 24-S RGE 33-E SURVEY N.M.P.M.
COUNTY LEA STATE NM ELEVATION 3593'
DESCRIPTION 680' FNL & 1274' FEL



Ramon A. Dominguez, P.S. No. 24508
JULY 14, 2021



 **TOPOGRAPHIC**
LOYALTY INNOVATION LEGACY

1400 EVERMAN PARKWAY, Ste. 146 • FT. WORTH, TEXAS 76140
TELEPHONE: (817) 744-7512 • FAX: (817) 744-7554
2903 NORTH BIG SPRING • MIDLAND, TEXAS 79705
TELEPHONE: (432) 682-1653 OR (800) 767-1653 • FAX: (432) 682-1743
WWW.TOPOGRAPHIC.COM

HEARTTHROB 17 STATE COM 104H AS-COMPLETE	REVISION:		NOTES: 1. ORIGINAL DOCUMENT SIZE: 8.5" X 11" 2. ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREIN ARE GRID BASED UPON THE NEW MEXICO COORDINATE SYSTEM OF 1983, EAST ZONE, U.S. SURVEY FEET. 3. THIS WELL LOCATION SHOWN HEREON HAS BEEN SURVEYED ON THE GROUND UNDER MY SUPERVISION AND PREPARED ACCORDING TO THE EVIDENCE FOUND AT THE TIME OF SURVEY, AND DATA PROVIDED BY EOG RESOURCES, INC. THIS CERTIFICATION IS MADE AND LIMITED TO THOSE PERSONS OR ENTITIES SHOWN ON THE FACE OF THIS PLAT AND IS NON-TRANSFERABLE. THIS SURVEY IS CERTIFIED FOR THIS TRANSACTION ONLY.
DATE: 07/14/2021			
FILE:AD_HEARTTHROB_17SC_104H			
DRAWN BY: GLH			
SHEET : 1 OF 1			



EOG Resources - Midland

Lea County, NM (NAD 83 NME)

Heartthrob 17 State Com

#104H

OH

Design: OH

Final PVA

02 March, 2021



EOG Resources

Final PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #104H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 32' @ 3625.0usft
Site:	Heartthrob 17 State Com	MD Reference:	KB = 32' @ 3625.0usft
Well:	#104H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.14

Project		Lea County, NM (NAD 83 NME)	
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site		Heartthrob 17 State Com								
Site Position:		Northing:		441,601.00	usft	Latitude:	32.2118428°N			
From:	Map	Easting:		771,748.00	usft	Longitude:	103.5883362°W			
Position Uncertainty:		0.0	usft	Slot Radius:		13-3/16	"	Grid Convergence:	0.40	°

Well		#104H				
Well Position	+N/-S	0.0 usft	Northing:	445,676.00 usft	Latitude:	32.2230535°N
	+E/-W	0.0 usft	Easting:	771,234.00 usft	Longitude:	103.5899068°W
Position Uncertainty		0.0 usft	Wellhead Elevation:	usft	Ground Level:	3,593.0 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	1/21/2021	6.60	59.91	47,531.55166532

Design		OH			
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (usft)		+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0		0.0	0.0	167.71

Survey Program		Date	3/2/2021		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
200.0	14,321.0	DrilTech MWD #1 (OH)	EOG MWD+IFR1	MWD + IFR1	



EOG Resources

Final PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #104H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 32' @ 3625.0usft
Site:	Heartthrob 17 State Com	MD Reference:	KB = 32' @ 3625.0usft
Well:	#104H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.14

Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.0	0.0
200.0	0.53	163.83	200.0	-0.9	0.3	0.26	0.26	0.00	-0.9	0.0
399.0	0.53	163.83	399.0	-2.7	0.8	0.00	0.00	0.00	-2.8	0.0
584.0	1.14	89.73	584.0	-3.5	2.8	0.60	0.33	-40.05	-2.8	-3.5
769.0	0.88	92.28	768.9	-3.5	6.1	0.14	-0.14	1.38	-6.2	-3.3
960.0	0.44	50.98	959.9	-3.1	8.1	0.33	-0.23	-21.62	-4.4	-7.5
1,149.0	0.97	1.67	1,148.9	-1.1	8.8	0.40	0.28	-26.09	0.8	-8.8
1,299.0	1.49	38.76	1,298.9	1.7	10.0	0.62	0.35	24.73	-7.6	-6.7
1,431.0	1.76	33.66	1,430.8	4.8	12.2	0.23	0.20	-3.86	-8.0	-6.4
1,620.0	4.48	48.95	1,619.5	12.0	19.4	1.49	1.44	8.09	-4.7	-1.5
1,808.0	8.62	52.73	1,806.3	25.4	36.1	2.21	2.20	2.01	0.9	0.8
1,997.0	12.05	54.49	1,992.2	45.4	63.5	1.82	1.81	0.93	3.6	2.2
2,185.0	12.66	56.07	2,175.8	68.3	96.6	0.37	0.32	0.84	0.4	2.5
2,374.0	13.01	57.13	2,360.1	91.4	131.6	0.22	0.19	0.56	-4.5	2.1
2,563.0	12.49	55.46	2,544.4	114.6	166.3	0.34	-0.28	-0.88	-9.2	1.7
2,752.0	13.28	58.97	2,728.7	137.3	201.7	0.59	0.42	1.86	-14.2	1.5
2,940.0	13.01	58.45	2,911.8	159.5	238.3	0.16	-0.14	-0.28	-20.2	-0.5
3,128.0	12.49	56.34	3,095.1	181.9	273.2	0.37	-0.28	-1.12	-24.7	-2.2
3,316.0	12.13	54.93	3,278.8	204.5	306.3	0.25	-0.19	-0.75	-27.8	-2.7
3,504.0	12.93	60.20	3,462.3	226.3	340.7	0.74	0.43	2.80	-31.9	-1.1
3,693.0	12.31	58.80	3,646.8	247.3	376.3	0.37	-0.33	-0.74	-36.1	-4.2
3,881.0	10.73	56.16	3,831.0	267.4	408.0	0.89	-0.84	-1.40	-36.4	-6.9
4,069.0	10.38	57.74	4,015.8	286.2	436.9	0.24	-0.19	0.84	-34.0	-6.6
4,257.0	9.58	56.16	4,200.9	303.9	464.2	0.45	-0.43	-0.84	-29.4	-8.2
4,446.0	9.76	59.85	4,387.3	320.7	491.1	0.34	0.10	1.95	-24.4	-7.8
4,635.0	9.67	67.32	4,573.6	334.9	519.6	0.67	-0.05	3.95	-20.4	-9.9
4,823.0	9.32	72.42	4,759.0	345.6	548.7	0.48	-0.19	2.71	-16.6	-17.1



EOG Resources

Final PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #104H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 32' @ 3625.0usft
Site:	Heartthrob 17 State Com	MD Reference:	KB = 32' @ 3625.0usft
Well:	#104H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.14

Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
5,011.0	9.06	69.17	4,944.6	355.4	577.0	0.31	-0.14	-1.73	-9.5	-27.4
5,125.0	8.09	64.69	5,057.3	362.1	592.7	1.03	-0.85	-3.93	-2.1	-32.1
5,284.0	9.50	55.02	5,214.4	374.4	613.5	1.28	0.89	-6.08	10.5	-33.4
5,473.0	13.01	50.27	5,399.8	396.9	642.7	1.92	1.86	-2.51	13.3	-30.1
5,661.0	13.54	46.32	5,582.7	425.6	674.9	0.56	0.28	-2.10	8.5	-24.4
5,849.0	14.07	42.79	5,765.3	457.6	706.3	0.53	0.28	-1.88	1.0	-16.8
6,038.0	13.98	38.05	5,948.7	492.4	736.0	0.61	-0.05	-2.51	-8.1	-7.1
6,226.0	12.84	45.60	6,131.6	524.9	764.9	1.11	-0.61	4.02	-16.2	3.6
6,413.0	11.78	43.67	6,314.3	553.3	792.9	0.61	-0.57	-1.03	-20.2	10.1
6,601.0	11.70	48.86	6,498.3	579.7	820.6	0.56	-0.04	2.76	-20.8	18.2
6,789.0	12.75	55.98	6,682.1	603.9	852.1	0.98	0.56	3.79	-21.1	22.9
6,978.0	12.22	51.23	6,866.6	628.1	885.0	0.61	-0.28	-2.51	-26.8	22.4
7,165.0	8.35	53.34	7,050.6	648.6	911.3	2.08	-2.07	1.13	-24.2	25.7
7,354.0	5.89	73.47	7,238.1	659.5	931.6	1.84	-1.30	10.65	-13.1	29.7
7,542.0	1.67	49.47	7,425.7	664.1	943.0	2.35	-2.24	-12.77	-23.4	19.3
7,731.0	2.02	15.81	7,614.6	669.0	946.0	0.59	0.19	-17.81	-34.7	2.6
7,918.0	1.32	208.03	7,801.6	670.3	945.9	1.78	-0.37	-89.72	34.4	-10.5
8,105.0	1.58	197.13	7,988.5	666.0	944.1	0.20	0.14	-5.83	31.1	-4.3
8,293.0	1.32	185.18	8,176.5	661.3	943.1	0.21	-0.14	-6.36	26.6	1.7
8,481.0	1.32	169.62	8,364.4	657.0	943.3	0.19	0.00	-8.28	20.9	8.2
8,670.0	1.58	174.80	8,553.4	652.3	943.9	0.15	0.14	2.74	16.8	6.5
8,858.0	1.93	188.43	8,741.3	646.6	943.7	0.29	0.19	7.25	12.1	3.0
8,953.0	2.29	190.36	8,836.2	643.1	943.1	0.39	0.38	2.03	8.7	2.6
9,019.3	7.49	192.02	8,902.3	637.6	942.0	7.84	7.84	2.51	3.2	2.4
KOP (HT 17 SC #104H)										
9,022.0	7.70	192.04	8,904.9	637.3	941.9	7.84	7.84	0.75	2.8	2.4
KOP, MD:9022.0', TVD:8904.9',N/S:637.3', E/W:941.9', INC:7.70										



EOG Resources

Final PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #104H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 32' @ 3625.0usft
Site:	Heartthrob 17 State Com	MD Reference:	KB = 32' @ 3625.0usft
Well:	#104H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.14

Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
9,073.0	11.70	192.29	8,955.2	628.9	940.1	7.84	7.84	0.48	-3.3	1.9
9,167.0	26.29	188.78	9,043.8	598.8	934.9	15.56	15.52	-3.73	-18.2	-1.6
9,196.3	30.56	187.63	9,069.6	585.0	932.9	14.69	14.57	-3.93	-24.4	-3.3
HL Crossing, MD:9196.3', TVD:9069.6', N/S:585.0', E/W:932.9', INC:30.56										
9,261.0	40.01	185.88	9,122.3	547.9	928.6	14.69	14.61	-2.70	-40.2	-7.3
9,355.0	46.78	187.37	9,190.6	483.8	921.1	7.28	7.20	1.59	-63.5	-12.3
9,449.0	50.12	181.13	9,253.0	413.7	916.0	6.11	3.55	-6.64	-76.4	-23.3
FTP (HT 17 SC #104H)										
9,543.0	56.45	179.73	9,309.1	338.4	915.4	6.84	6.73	-1.49	-80.8	-25.6
9,637.0	60.15	180.08	9,358.5	258.5	915.6	3.95	3.94	0.37	-75.9	-26.1
9,731.0	63.49	178.85	9,402.9	175.6	916.4	3.74	3.55	-1.31	-58.9	-26.9
9,825.0	80.02	179.55	9,432.2	86.7	917.6	17.60	17.59	0.74	-42.0	-25.6
9,918.0	79.93	179.73	9,448.4	-4.9	918.1	0.21	-0.10	0.19	-26.6	-25.8
10,012.0	84.77	178.50	9,460.9	-98.0	919.6	5.31	5.15	-1.31	-14.7	-24.9
10,106.0	87.49	179.20	9,467.3	-191.8	921.5	2.99	2.89	0.74	-8.8	-23.7
10,200.0	89.69	179.55	9,469.6	-285.7	922.5	2.37	2.34	0.37	-6.9	-23.3
10,294.0	89.60	177.97	9,470.2	-379.7	924.5	1.68	-0.10	-1.68	-6.7	-22.0
10,388.0	92.77	178.67	9,468.2	-473.6	927.3	3.45	3.37	0.74	-9.1	-19.9
10,482.0	90.22	177.18	9,465.8	-567.5	930.7	3.14	-2.71	-1.59	-12.0	-17.2
10,576.0	93.47	177.27	9,462.8	-661.4	935.2	3.46	3.46	0.10	-15.4	-13.4
10,671.0	91.80	178.85	9,458.4	-756.2	938.4	2.42	-1.76	1.66	-20.2	-10.9
10,765.0	88.99	179.11	9,457.7	-850.2	940.1	3.00	-2.99	0.28	-21.3	-9.9
10,859.0	88.81	179.02	9,459.5	-944.2	941.7	0.21	-0.19	-0.10	-19.9	-9.1
10,953.0	88.72	179.29	9,461.6	-1,038.1	943.0	0.30	-0.10	0.29	-18.3	-8.4
11,048.0	88.55	178.41	9,463.8	-1,133.1	944.9	0.94	-0.18	-0.93	-16.4	-7.2
11,143.0	89.08	178.76	9,465.8	-1,228.0	947.3	0.67	0.56	0.37	-14.9	-5.5
11,237.0	88.99	178.06	9,467.4	-1,322.0	949.9	0.75	-0.10	-0.74	-13.7	-3.6



EOG Resources

Final PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #104H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 32' @ 3625.0usft
Site:	Heartthrob 17 State Com	MD Reference:	KB = 32' @ 3625.0usft
Well:	#104H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.14

Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
11,332.0	88.55	177.44	9,469.4	-1,416.9	953.6	0.80	-0.46	-0.65	-12.1	-0.6
11,426.0	90.13	179.55	9,470.5	-1,510.8	956.1	2.80	1.68	2.24	-11.4	1.2
11,520.0	90.04	179.99	9,470.4	-1,604.8	956.5	0.48	-0.10	0.47	-12.0	0.9
11,614.0	90.04	179.64	9,470.3	-1,698.8	956.8	0.37	0.00	-0.37	-12.5	0.5
11,708.0	89.96	179.55	9,470.3	-1,792.8	957.4	0.13	-0.09	-0.10	-12.9	0.4
11,803.0	88.99	179.81	9,471.2	-1,887.8	958.0	1.06	-1.02	0.27	-12.4	0.3
11,897.0	90.04	178.41	9,472.0	-1,981.8	959.4	1.86	1.12	-1.49	-12.1	1.0
11,992.0	88.99	178.50	9,472.8	-2,076.8	962.0	1.11	-1.11	0.09	-11.7	2.9
12,085.0	88.99	180.08	9,474.4	-2,169.7	963.1	1.70	0.00	1.70	-10.5	3.3
12,115.5	89.24	180.28	9,474.9	-2,200.2	963.1	1.05	0.83	0.64	-10.1	3.0
TGT 1 (HT 17 SC #104H)										
12,180.0	89.78	180.69	9,475.4	-2,264.7	962.5	1.05	0.83	0.64	-9.8	2.0
12,274.0	88.29	179.29	9,477.0	-2,358.7	962.5	2.17	-1.59	-1.49	-8.5	1.3
12,367.0	89.69	179.64	9,478.7	-2,451.7	963.4	1.55	1.51	0.38	-7.2	1.5
12,461.0	91.28	180.25	9,477.9	-2,545.7	963.5	1.81	1.69	0.65	-8.3	0.9
12,555.0	91.28	180.60	9,475.8	-2,639.7	962.8	0.37	0.00	0.37	-10.7	-0.5
12,650.0	88.46	179.29	9,476.0	-2,734.6	962.9	3.27	-2.97	-1.38	-10.8	-1.1
12,744.0	87.76	179.90	9,479.1	-2,828.6	963.5	0.99	-0.74	0.65	-8.0	-1.2
12,839.0	89.69	179.55	9,481.2	-2,923.6	964.0	2.06	2.03	-0.37	-6.2	-1.4
12,933.0	87.67	179.11	9,483.4	-3,017.5	965.1	2.20	-2.15	-0.47	-4.3	-1.0
13,027.0	88.02	180.43	9,486.9	-3,111.5	965.5	1.45	0.37	1.40	-1.1	-1.3
13,122.0	91.98	181.57	9,486.9	-3,206.4	963.8	4.34	4.17	1.20	-1.4	-3.7
13,216.0	92.42	181.66	9,483.3	-3,300.3	961.2	0.48	0.47	0.10	-5.3	-7.0
13,310.0	89.69	179.20	9,481.5	-3,394.3	960.5	3.91	-2.90	-2.62	-7.4	-8.4
13,404.0	89.08	179.37	9,482.6	-3,488.3	961.6	0.67	-0.65	0.18	-6.7	-8.0
13,498.0	89.08	179.20	9,484.1	-3,582.2	962.8	0.18	0.00	-0.18	-5.5	-7.5
13,591.0	88.02	179.55	9,486.4	-3,675.2	963.8	1.20	-1.14	0.38	-3.4	-7.2



EOG Resources

Final PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #104H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 32' @ 3625.0usft
Site:	Heartthrob 17 State Com	MD Reference:	KB = 32' @ 3625.0usft
Well:	#104H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.14

Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)	
13,645.7	88.22	178.89	9,488.2	-3,729.9	964.6	1.25	0.37	-1.20	-1.8	-6.8	
TGT 2 (HT 17 SC #104H)											
13,686.0	88.37	178.41	9,489.4	-3,770.1	965.5	1.25	0.37	-1.20	-0.5	-6.2	
13,780.0	89.69	176.83	9,491.0	-3,864.0	969.4	2.19	1.40	-1.68	1.5	-3.1	
13,874.0	91.71	178.14	9,489.9	-3,957.9	973.5	2.56	2.15	1.39	0.8	0.3	
13,968.0	90.40	178.06	9,488.1	-4,051.9	976.7	1.40	-1.39	-0.09	-0.5	2.6	
14,061.0	90.75	178.23	9,487.2	-4,144.8	979.7	0.42	0.38	0.18	-1.0	4.9	
14,156.0	90.13	178.23	9,486.5	-4,239.8	982.6	0.65	-0.65	0.00	-1.3	7.0	
14,250.0	90.31	178.58	9,486.1	-4,333.7	985.2	0.42	0.19	0.37	-1.3	8.9	
Final MWD Survey (MD=14250.0')											
14,321.0	90.31	178.58	9,485.7	-4,404.7	987.0	0.00	0.00	0.00	-1.3	10.1	
Final Projection to Bit (MD=14321.0') - PBHL (HT 17 SC #104H)											

Design Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
9,022.0	8,904.9	637.3	941.9	KOP, MD:9022.0', TVD:8904.9', N/S:637.3', E/W:941.9', INC:7.70	
9,196.3	9,069.6	585.0	932.9	HL Crossing, MD:9196.3', TVD:9069.6', N/S:585.0', E/W:932.9', INC:30.56	
14,250.0	9,486.1	-4,333.7	985.2	Final MWD Survey (MD=14250.0')	
14,321.0	9,485.7	-4,404.7	987.0	Final Projection to Bit (MD=14321.0')	

Checked By: _____ Approved By: _____ Date: _____

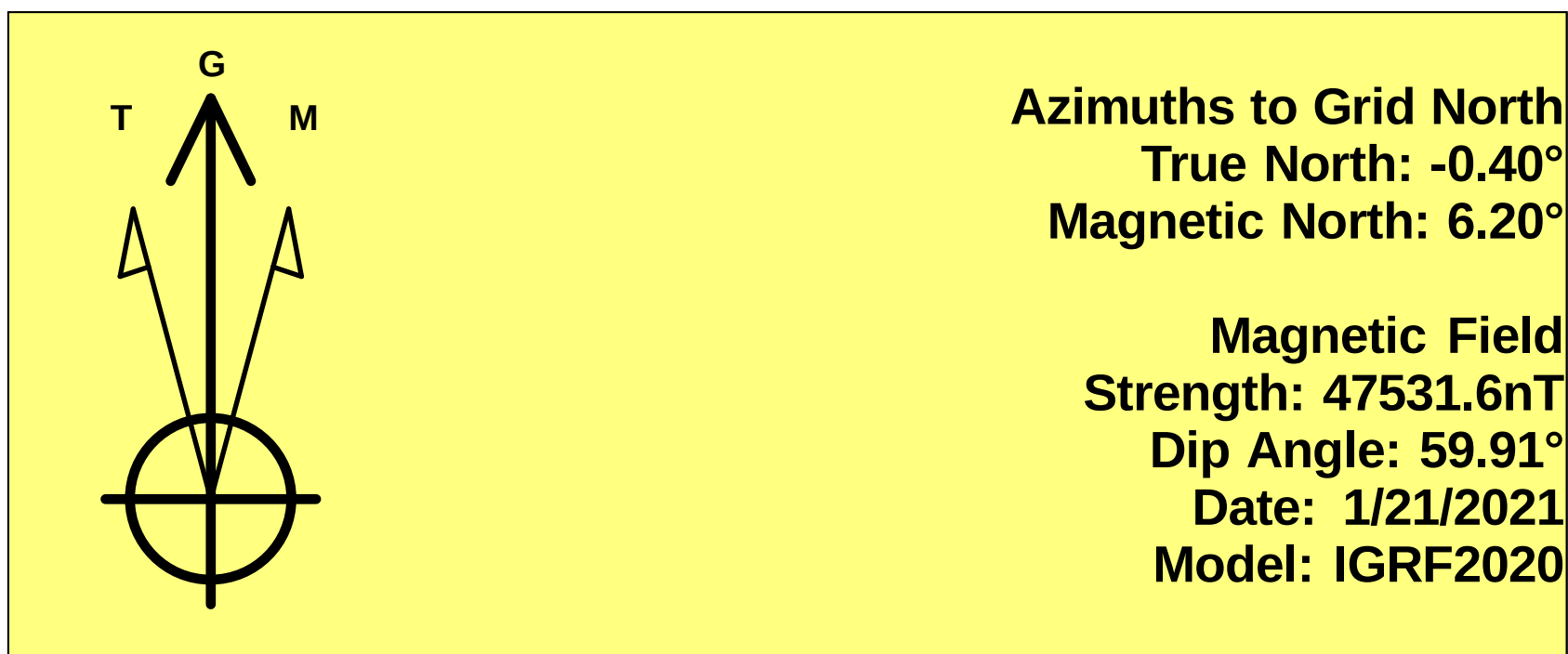
I CERTIFY THIS SURVEY TO BE TRUE AND CORRECT TO THE BEST OF MY BELIEF AND KNOWLEDGE
KAY MADDOX 09/21/2021



Lea County, NM (NAD 83 NME)

Heartthrob 17 State Com #104H

Plan #1



To convert a Magnetic Direction to a Grid Direction, Add 6.20°
To convert a Magnetic Direction to a True Direction, Add 6.60° East
To convert a True Direction to a Grid Direction, Subtract 0.40°

PROJECT DETAILS: Lea County, NM (NAD 83 NME)

Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: New Mexico Eastern Zone
System Datum: Mean Sea Level

WELL DETAILS: #104H

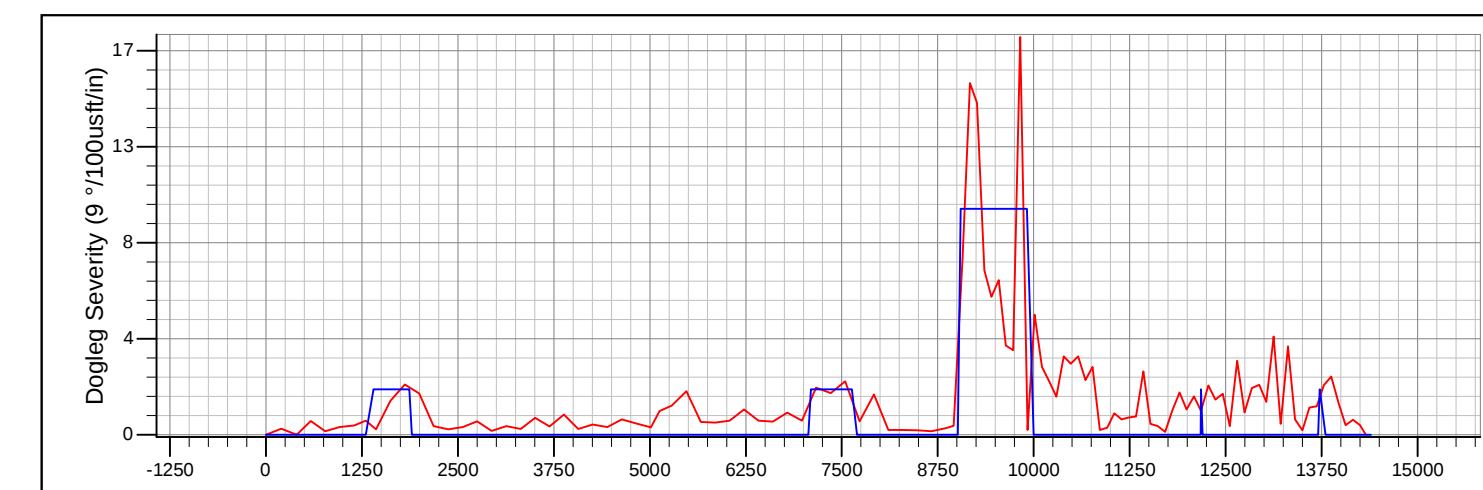
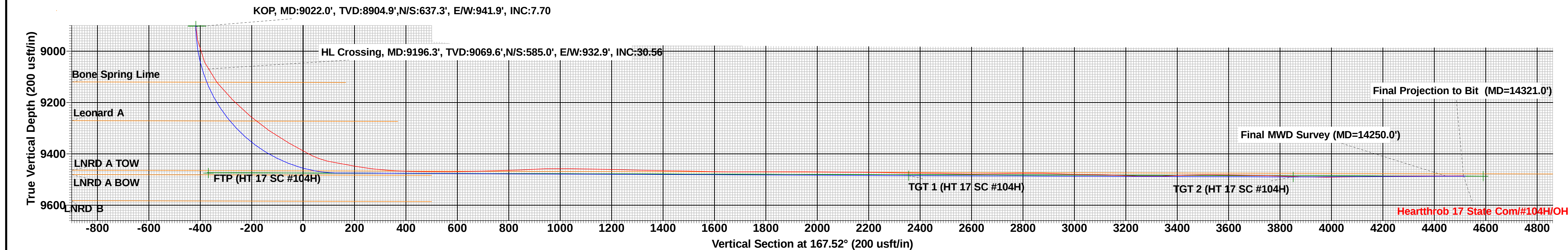
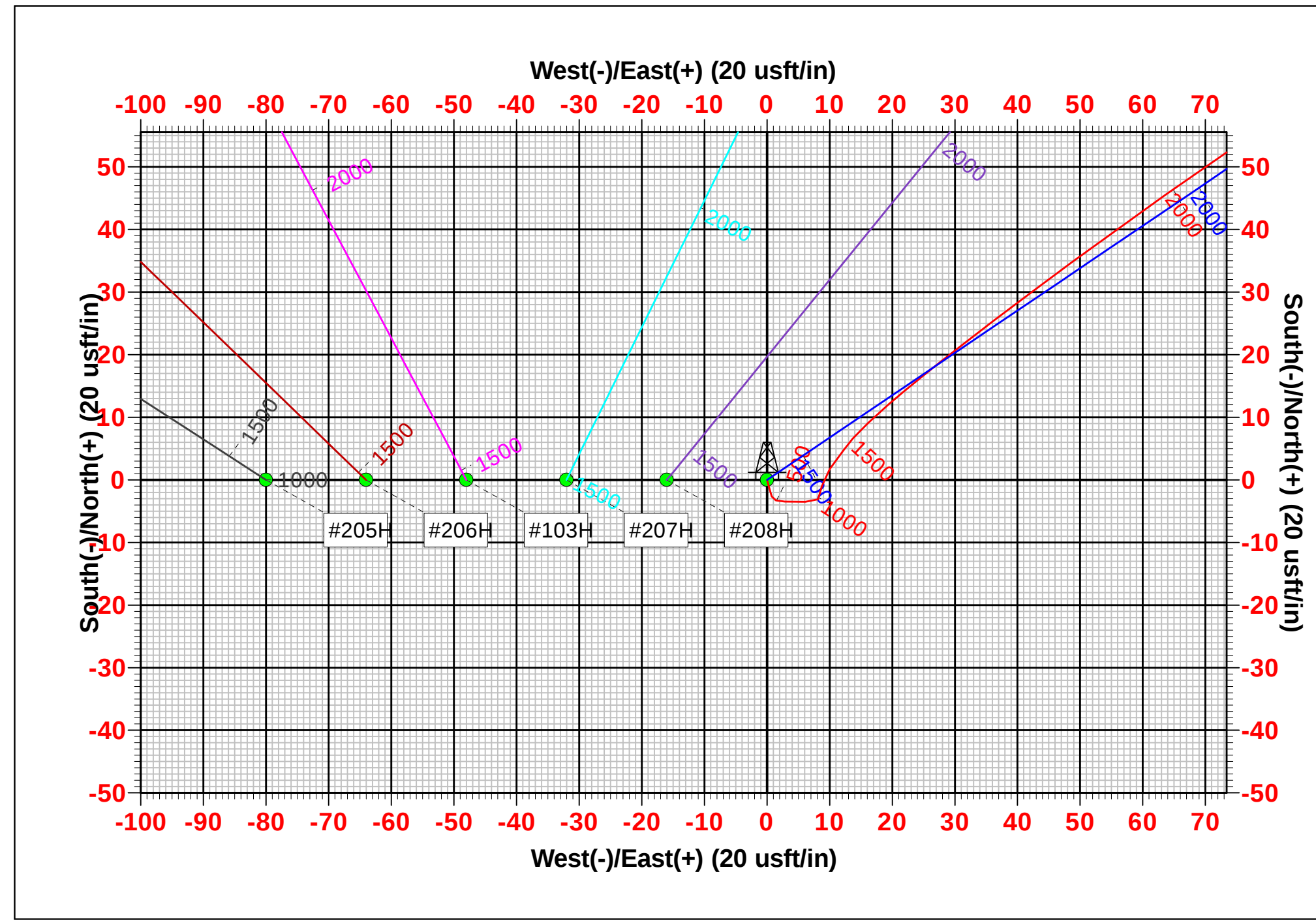
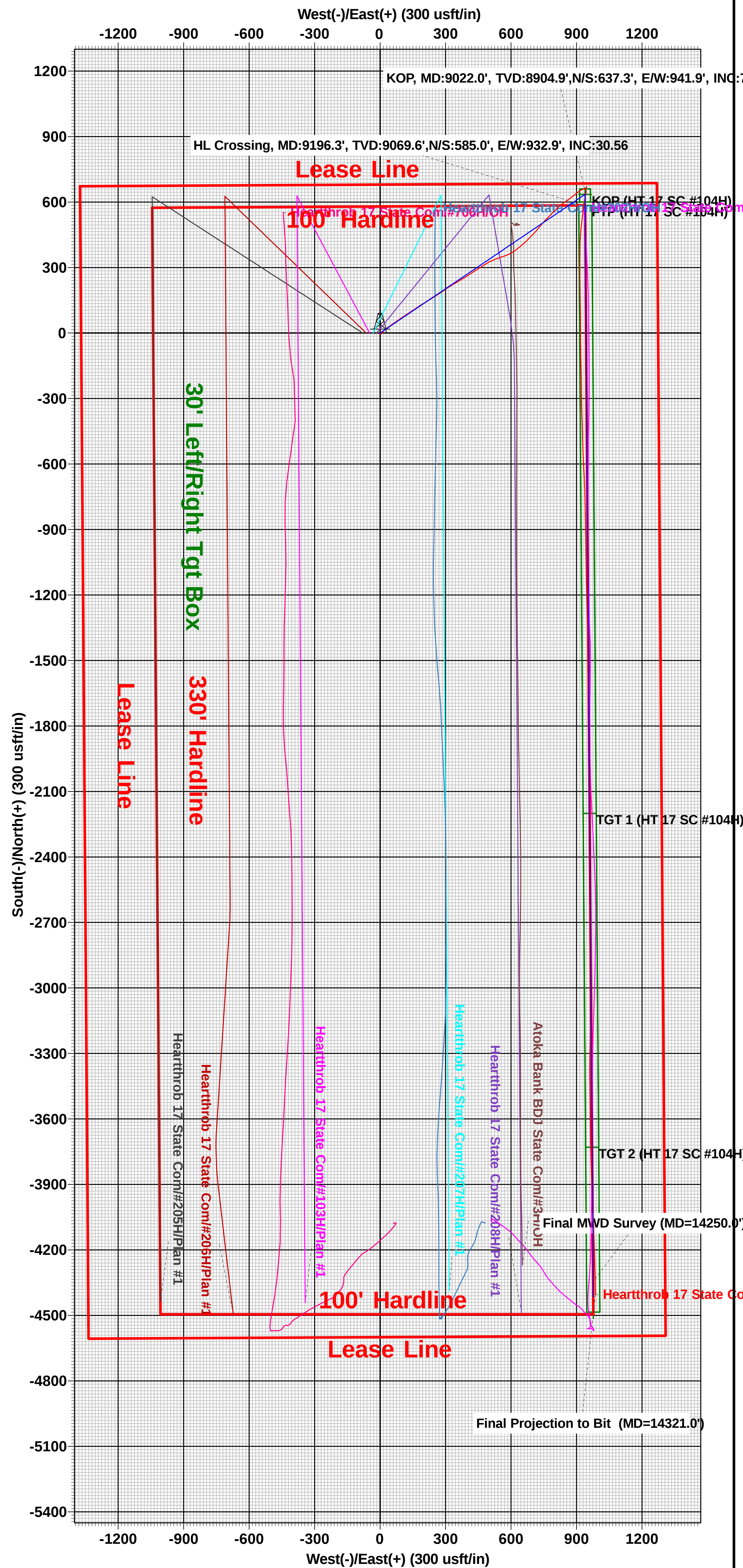
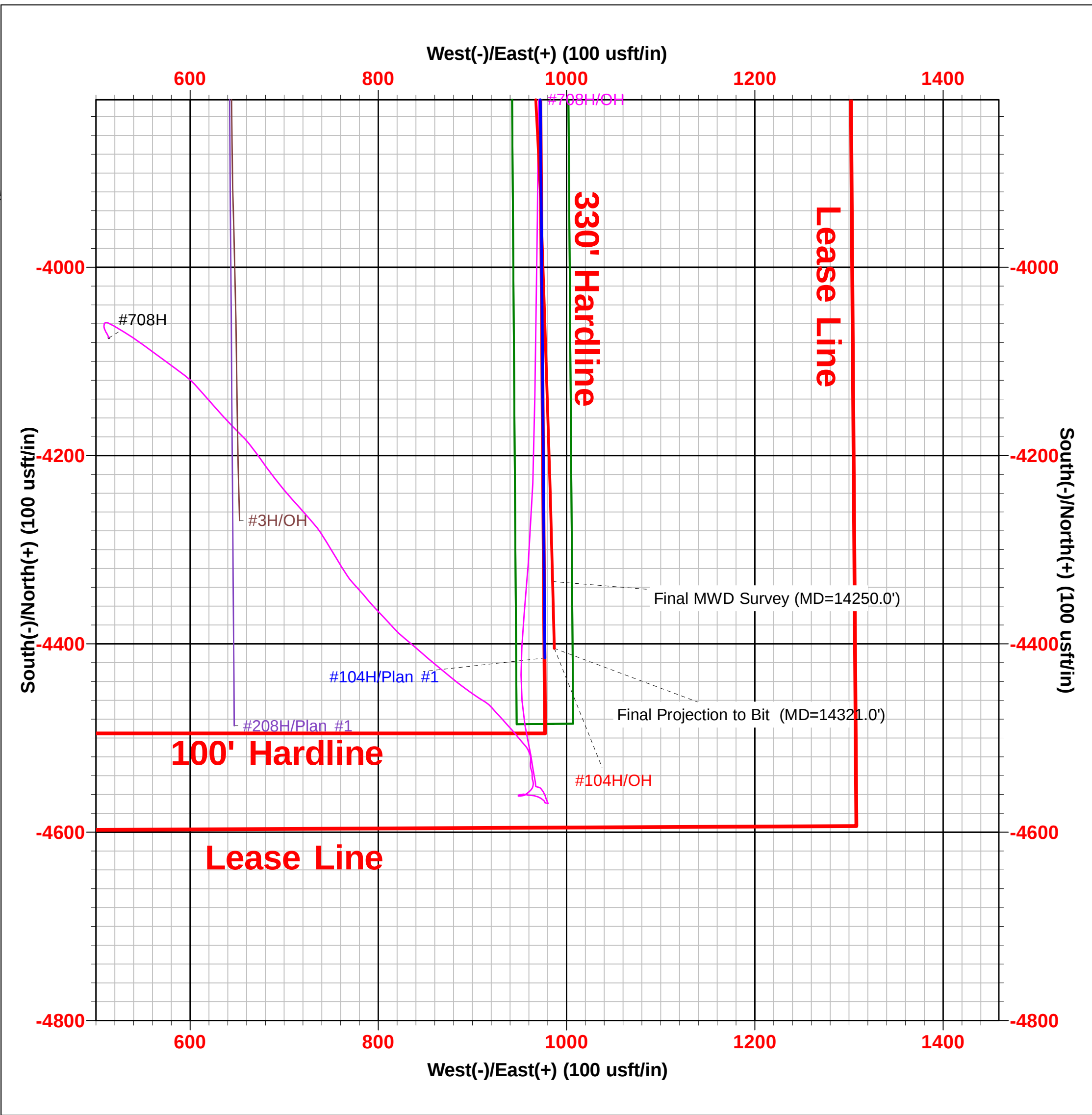
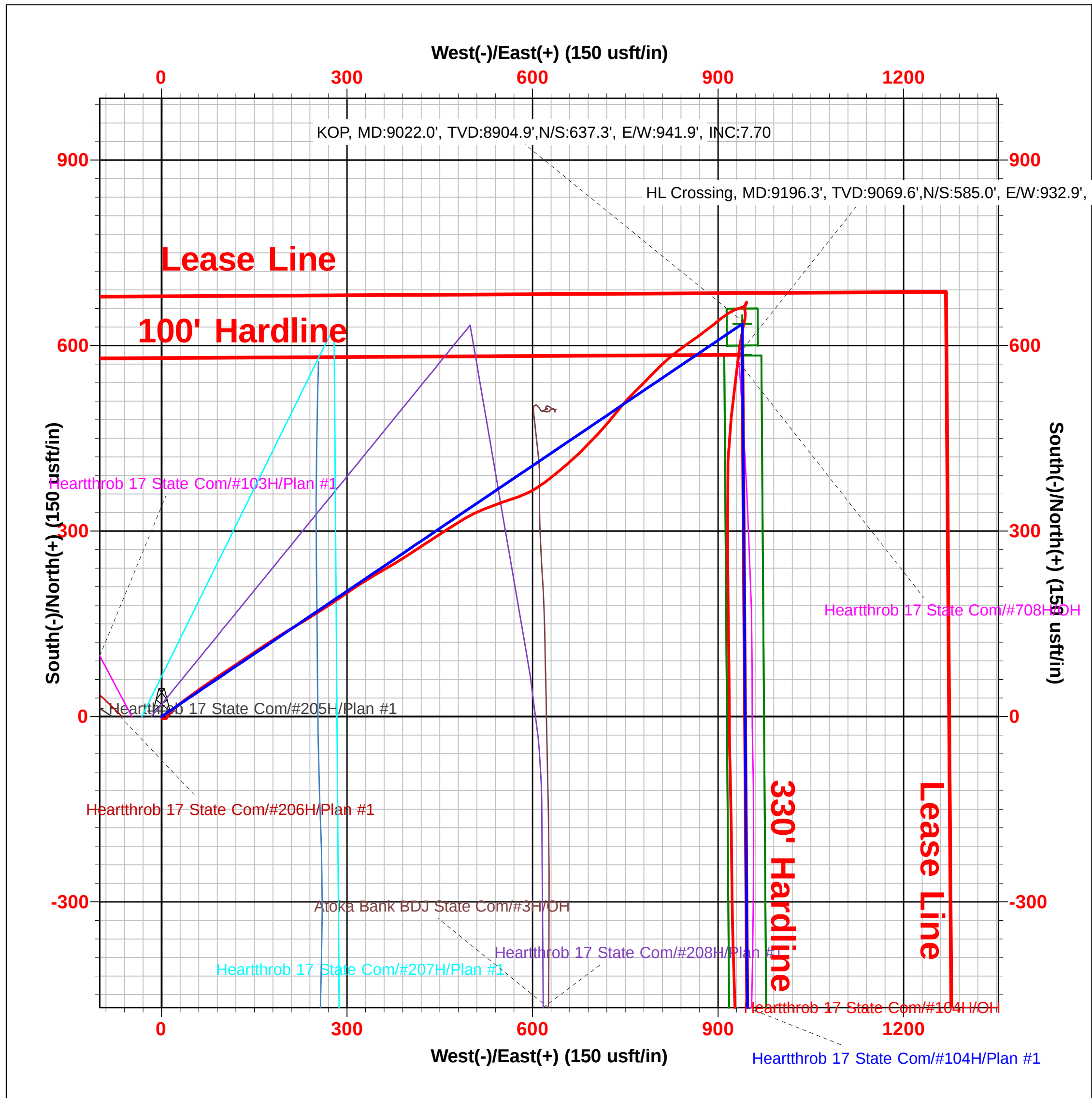
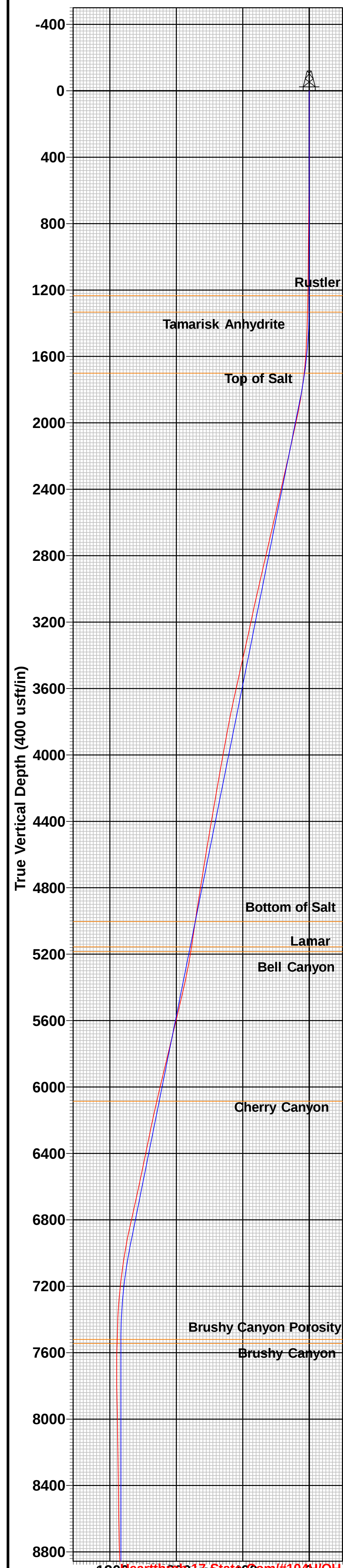
KB = 32' @ 3625.0usft
Northing 445676.00 Easting 771234.00 Latitude 32.2230535°N Longitude 103.5899068°W

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	1300.0	0.00	0.00	1300.0	0.0	0.0	0.00	0.00	0.0	
3	1867.1	11.34	55.93	1863.4	31.3	46.3	2.00	55.93	-20.6	
4	7061.7	11.34	55.93	6956.6	603.7	892.7	0.00	0.00	-396.5	
5	7628.9	0.00	179.58	7520.0	635.0	939.0	2.00	180.00	-417.1	
6	9010.9	0.00	179.58	8902.0	635.0	939.0	0.00	0.00	-417.1	KOP (HT 17 SC #104H)
7	9908.3	89.75	179.57	9475.0	64.6	943.2	10.00	179.57	140.7	
8	12173.1	89.75	179.57	9485.0	-2200.1	960.0	0.00	0.00	2355.6	TGT 1 (HT 17 SC #104H)
9	12176.4	89.81	179.57	9485.0	-2203.4	960.0	2.00	0.00	2358.8	
10	13702.7	89.81	179.57	9490.0	-3729.7	971.4	0.00	0.00	3851.5	TGT 2 (HT 17 SC #104H)
11	13725.1	90.26	179.53	9490.0	-3752.1	971.6	2.00	-5.66	3873.4	
12	14388.1	90.26	179.53	9487.0	-4415.0	977.0	0.00	0.00	4521.8	

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/-S	+E/-W	Northing	Easting
KOP (HT 17 SC #104H)	8902.0	635.0	939.0	446311.00	772173.00
FTP (HT 17 SC #104H)	9475.0	585.0	939.0	446261.00	772173.00
TGT 1 (HT 17 SC #104H)	9485.0	-2200.1	960.0	443475.90	772194.04
PBHL (HT 17 SC #104H)	9487.0	-4485.0	977.0	441191.00	772211.00
TGT 2 (HT 17 SC #104H)	9490.0	-3729.7	971.4	441946.30	772205.39



Intent ☐ As Drilled ☐

API #		
Operator Name:	Property Name:	Well Number

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude				NAD

First Take Point (FTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude				NAD

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude				NAD

Is this well the defining well for the Horizontal Spacing Unit? ☐Is this well an infill well? ☐

If infill is yes please provide API if available, Operator Name and well number for Defining well for Horizontal Spacing Unit.

API #		
Operator Name:	Property Name:	Well Number

KZ 06/29/2018

Submit 1 Copy To Appropriate District Office
 District I – (575) 393-6161
 1625 N. French Dr., Hobbs, NM 88240
 District II – (575) 748-1283
 811 S. First St., Artesia, NM 88210
 District III – (505) 334-6178
 1000 Rio Brazos Rd., Aztec, NM 87410
 District IV – (505) 476-3460
 1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
 Energy, Minerals and Natural Resources

Form C-103
 Revised July 18, 2013

OIL CONSERVATION DIVISION
 1220 South St. Francis Dr.
 Santa Fe, NM 87505

WELL API NO. 30-025-48389
5. Indicate Type of Lease STATE ☒ FEE ☐
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name HEARTTHROB 17 STATE COM
8. Well Number 104H
9. OGRID Number 7377
10. Pool name or Wildcat TRIPLE X; BONE SPRING, WEST

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)	
1. Type of Well: Oil Well ☒ Gas Well ☐ Other ☐	
2. Name of Operator EOG RESOURCES INC	
3. Address of Operator PO BOX 2267 MIDLAND, TX 79702	
4. Well Location Unit Letter <u>A</u> : <u>680</u> feet from the <u>NORTH</u> line and <u>1274</u> feet from the <u>EAST</u> line Section <u>17</u> Township <u>24S</u> Range <u>33E</u> NMPM County <u>LEA</u>	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3593' GR	

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK ☐	REMEDIAL WORK ☐
TEMPORARILY ABANDON ☐	ALTERING CASING ☐
PULL OR ALTER CASING ☐	COMMENCE DRILLING OPNS. ☐
DOWNHOLE COMMINGLE ☐	P AND A ☐
CLOSED-LOOP SYSTEM ☐	CASING/CEMENT JOB ☐
OTHER: ☐	OTHER: Completion ☒

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

02/26/2021 Rig released
 03/27/2021 Test void to 5000 psi, seals & flanges to 8500 psi
 06/17/2021 Begin perf & frac
 07/02/2021 Finish 25 stages perf & frac, 9633 - 14,293' 1335 3 1/8" shots 11,182,891 lbs
 proppant + 255,052 bbls load fluid
 07/17/2021 Drilled out plugs and clean out wellbore
 07/22/2021 Opened well to flowback - Date of First Production

Spud Date:

01/27/2021

Rig Release Date:

02/26/2021

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE KAY MADDOX TITLE Senior Regulatory Specialist DATE 09/21/2021

Type or print name Kay Maddox E-mail address: kay_maddox@eogresources.com PHONE: 432-638-8475

For State Use Only

APPROVED BY: John Garcia TITLE Petroleum Engineer DATE 10/27/2021

Conditions of Approval (if any):

Submit To Appropriate District Office Two Copies <u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 <u>District II</u> 811 S. First St., Artesia, NM 88210 <u>District III</u> 1000 Rio Brazos Rd., Aztec, NM 87410 <u>District IV</u> 1220 S. St. Francis Dr., Santa Fe, NM 87505		State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505			Form C-105 Revised August 1, 2011					
WELL COMPLETION OR RECOMPLETION REPORT AND LOG										
4. Reason for filing: ☒ COMPLETION REPORT (Fill in boxes #1 through #31 for State and Fee wells only) ☐ C-144 CLOSURE ATTACHMENT (Fill in boxes #1 through #9, #15 Date Rig Released and #32 and/or #33; attach this and the plat to the C-144 closure report in accordance with 19.15.17.13.K NMAC)								5. Lease Name or Unit Agreement Name		
								HEARTTHROB 17 STATE COM 6. Well Number: 104H		
7. Type of Completion:										
☒ NEW WELL ☐ WORKOVER ☐ DEEPENING ☐ PLUGBACK ☐ DIFFERENT RESERVOIR ☐ OTHER _____										
8. Name of Operator						9. OGRID				
EOG RESOURCES INC						7377				
10. Address of Operator						11. Pool name or Wildcat				
PO BOX 2267 MIDLAND, TEXAS 79702						TRIPLE X; BONE SPRING, WEST				
12. Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County
Surface:	A	17	24S	33E		680	NORTH	1274	EAST	LEA
BH:	P	17	24S	33E		189	SOUTH	320	EAST	LEA
13. Date Spudded	14. Date T.D. Reached		15. Date Rig Released			16. Date Completed (Ready to Produce)		17. Elevations (DF and RKB, RT, GR, etc.)		
01/27/2021	02/16/2021		02/26/2021			07/22/2021		3593' GL		
18. Total Measured Depth of Well			19. Plug Back Measured Depth			20. Was Directional Survey Made?		21. Type Electric and Other Logs Run		
MD 14,321' TVD 9485'			MD 14,293' TVD 9485'			YES		None		
22. Producing Interval(s), of this completion - Top, Bottom, Name										
BONE SPRING 9633 - 14,293'										
23. CASING RECORD (Report all strings set in well)										
CASING SIZE		WEIGHT LB./FT.		DEPTH SET		HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED
13 3/8"		54.5# J-55		1,360'		16"		790 CL C/CIRC		
9 5/8"		40# J-55		5,185'		12 1/4"		1270 CL C/ CIRC		
5 1/2"		20# HCP 110		14,301'		7 7/8"		1625 CL H TOC 4960'CBL		
24. LINER RECORD						25. TUBING RECORD				
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET			
26. Perforation record (interval, size, and number)						27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.				
9633 - 14,293' 3 1/8", 1335 holes						DEPTH INTERVAL				
						AMOUNT AND KIND MATERIAL USED				
						9633 - 14,293 FRAC W/11,182,891 lbs proppant, 255,052 bbls load fld				
28. PRODUCTION										
Date First Production		Production Method (Flowing, gas lift, pumping - Size and type pump)				Well Status (Prod. or Shut-in)				
07/22/2021		Flowing				Producing				
Date of Test	Hours Tested	Choke Size	Prod'n For Test Period	Oil - Bbl	Gas - MCF	Water - Bbl.	Gas - Oil Ratio			
08/09/2021	24	98		2191	4386	3629	2002			
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - (Corr.)				
	510					44				
29. Disposition of Gas (Sold, used for fuel, vented, etc.)								30. Test Witnessed By		
SOLD										
31. List Attachments										
C-102, C-104, C-103, Directional Survey, H spacing										
32. If a temporary pit was used at the well, attach a plat with the location of the temporary pit.										
33. If an on-site burial was used at the well, report the exact location of the on-site burial:										
Latitude _____ Longitude _____ NAD 1927 1983										
I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief										
Signature Kay Maddox			Name Kay Maddox			Title Senior Regulatory Specialist			Date 09/21/2021	
E-mail Address kay_maddox@eogresources.com										

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well and not later than 60 days after completion of closure. When submitted as a completion report, this shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, items 11, 12 and 26-31 shall be reported for each zone.

Southeastern New Mexico			Northwestern New Mexico				
T. Anhy	Rustler	1234'	T. Canyon	Brushy	7520'	T. Ojo Alamo	T. Penn A "
T. Salt		1701'	T. Strawn			T. Kirtland	T. Penn. "B"
B. Salt		5004'	T. Atoka			T. Fruitland	T. Penn. "C"
T. Yates			T. Miss			T. Pictured Cliffs	T. Penn. "D"
T. 7 Rivers			T. Devonian			T. Cliff House	T. Leadville
T. Queen			T. Silurian			T. Menefee	T. Madison
T. Grayburg			T. Montoya			T. Point Lookout	T. Elbert
T. San Andres			T. Simpson			T. Mancos	T. McCracken
T. Glorieta			T. McKee			T. Gallup	T. Ignacio Otzte
T. Paddock			T. Ellenburger			Base Greenhorn	T. Granite
T. Blinebry			T. Gr. Wash			T. Dakota	
T. Tubb			T. Delaware Sand			T. Morrison	
T. Drinkard			T. Bone Springs			T. Todilto	
T. Abo			T. BONE SPRING LIME	9121'		T. Entrada	
T. Wolfcamp			T.			T. Wingate	
T. Penn			T.			T. Chinle	
T. Cisco (Bough C)			T.			T. Permian	

No. 1, from.....to.....

No. 2, from.....to.....

No. 3, from.....to.....

No. 4, from.....to.....

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from.....to.....feet.....
 No. 2, from.....to.....feet.....
 No. 3, from.....to.....feet.....

From	To	Thickness In Feet	Lithology

District I

1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720

District II

811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170

District IV

1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

ACKNOWLEDGMENTS

Action 50634

ACKNOWLEDGMENTS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 50634
	Action Type: [C-104] Completion Packet (C-104C)

ACKNOWLEDGMENTS

☒	I hereby certify that the required Water Use Report has been, or will be, submitted for this wells completion.
☒	I hereby certify that the required FracFocus disclosure has been, or will be, submitted for this wells completion.

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720

District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720

District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170

District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 50634

CONDITIONS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 50634
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
plmartinez	None	10/27/2021